

REMARKS/ARGUMENTS

Reconsideration of the patent application is respectfully requested in view of the above listed amendments and the following remarks.

The Examiner has objected to the labeling on the drawings. In response, claim 2 has been canceled without prejudice. The Examiner has objected to claim 3. Claim 3 has been canceled without prejudice. In addition, the Examiner has rejected claim 2 under 35 U.S.C. §112 first paragraph. Claim 2 has been canceled without prejudice.

The Elements of former allowable claim 3 have been inserted into claim 1.

The Examiner has rejected claims 1 and 23 under 35 U.S.C. §102 as being anticipated by U.S. Patent No. 4,747,768 to Crupi. The Examiner has also rejected claim 1 under 35 U.S.C. §102(b) as being anticipated by U.S. Patent No. 4,351,178 to Uehara et al. The Examiner has also rejected claims 1, 4 and 5 under 35 U.S.C. §102(b) as being anticipated by Japanese Patent No. JP 55-42135 to Murakami et al.

The Examiner has rejected claims 8 and 9 under 35 U.S.C. §103(a) as being unpatentable over Crupi in view of U.S. Patent

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No. 4,009,982 to *Maier*. The Examiner has also rejected claims 10-14 and 17-21 under 35 U.S.C. §103(a) as being unpatentable over *Crupi* in view of U.S. Patent No. 3,965,715 to *Parmann*. Furthermore, the Examiner has rejected claims 15 and 16 under 35 U.S.C. §103(a) as being unpatentable over *Crupi* and *Parmann* as applied to claims 10-14 and 17-21 above and in further view of U.S. Patent No. 5,422,048 to *Kodama et al.* Furthermore, the Examiner has rejected claim 24 under 35 U.S.C. §103(a) as being unpatentable over *Crupi* in view of U.S. Patent No. 4,137,743 to *Schwarze*.

The Examiner has also rejected claims 8 and 9 under 35 U.S.C. § 103(a) as being unpatentable over *Uehara et al.* in view of U.S. Patent No. 4,009,982 to *Maier*. Furthermore, the Examiner has rejected claims 10-14 and 17-21 and 23 under 35 U.S.C. §103(a) as being unpatentable over *Uehara et al.* in view of *Parmann*. The Examiner has also rejected claims 15 and 16 under 35 U.S.C. §103(a) as being unpatentable over *Uehara et al.* and *Parmann* and in further view of *Kodama et al.* Furthermore the Examiner has rejected claim 24 as being unpatentable over *Uehara et al.* in view of *Schwarze*.

The Examiner has also rejected claims 6-8 and 23 under 35 U.S.C. §103(a) as being unpatentable over *Murakami et al.* in view

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of U.S. Patent No. 4,704,886 to *Evert et al.* The Examiner has also rejected claims 10-14 and 17-21 under 35 U.S.C. §103(a) as being unpatentable over *Murakami et al.* in view of *Parmann*. The Examiner has also rejected claims 15 and 16 under 35 U.S.C. §103(a) as being unpatentable over *Murakami et al.* and *Parmann* in view of *Kodama et al.* The Examiner has rejected claim 24, under 35 U.S.C. §103(a) as being unpatentable over *Murakami et al.* in view of *Schwarze*.

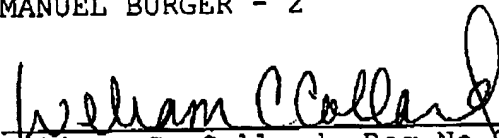
In response to the above rejections, the elements of allowable claim 3 have been inserted into claim 1 so therefore, the applicant respectfully requests early allowance of the remaining claims. In conclusion, claim 1 has been amended. Claims 2 and 3 have been canceled without prejudice. Claims 4-24 remain in the application while claims 25-38 have been withdrawn. The applicant reserves the right to file a divisional application on the withdrawn claims.

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In view of the foregoing, it is respectfully requested that the claims be allowed and that this case be passed to issue.

Respectfully submitted,  
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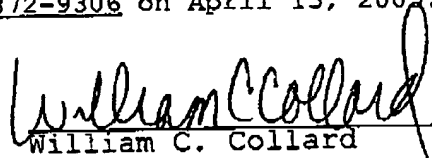
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**CERTIFICATION OF FACSIMILE**

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I hereby certify that this correspondence is being sent by facsimile transmission to the U.S.P.T.O. to Patent Examiner L. E. Edwards at Group No. 1734, to 1-703-872-9306 on April 15, 2005.

  
William C. Collard